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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10 038,459	01 07 2002	Yi-Chi Shih		8376

7590 06 05 2003  
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2220 Thorley Place  
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EXAMINER

LEE, BENNY T

ART UNIT	PAPER NUMBER
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2817

DATE MAILED: 06.05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.



## Patent and Trademark Office

Address: COMMIS<sup>IONER</sup> OF PATENTS AND TRADEMARKS  
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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.

EXAMINER	
ART UNIT	PAPER NUMBER
	5

DATE MAILED:

This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

- ☒ This application has been examined      ☒ Responsive to communication filed on 29 July 2002      ☐ This action is made final.

A shortened statutory period for response to this action is set to expire Three (3) month(s), days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

## Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- |   |   |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948.                  |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449                  | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152 |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474      | 6. <input type="checkbox"/> _____   |

## Part II SUMMARY OF ACTION

1. ☒ Claims 1-10 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☒ Claims 1, 2, 4, 7-10 are allowed.
4. ☒ Claims 3, 5, 6 are rejected.
5. ☐ Claims \_\_\_\_\_ are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings which are acceptable for examination purposes until such time as allowable subject matter is indicated.
8. ☐ Allowable subject matter having been indicated, formal drawings are required in response to this Office action.
9. ☒ The corrected or substitute drawings have been received on 29 July 2002. These drawings are ☒ acceptable;  
☐ not acceptable (see explanation).
10. ☒ The ☐ proposed drawing correction and/or the ☐ proposed additional or substitute sheet(s) of drawings, filed on 29 July 2002,  
has (have) been ☐ approved by the examiner. ☒ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed \_\_\_\_\_, has been ☐ approved. ☐ disapproved (see explanation). However,  
the Patent and Trademark Office no longer makes drawing changes. It is now applicant's responsibility to ensure that the drawings are  
corrected. Corrections MUST be effected in accordance with the instructions set forth on the attached letter "INFORMATION ON HOW TO  
EFFECT DRAWING CHANGES", PTO-1474.
12. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received ☐ not been received  
☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_.
13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in  
accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

SN 38459

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The disclosure is objected to because of the following informalities: At page 1 of the revised specification, all written description thereat should be deleted except for the Title and the reference to the parent application such as to be commensurate with US practice. At all occurrences throughout the specification, updated status information for co-pending US patent application No. "351362" should be provided (e.g. at p. 4, ls 5, 12, etc). Pages 5, 6, in the "Brief Description of the Drawings", note that all reference numbers therein should be deleted as being unnecessary, and extraneous descriptions associated with "Fig. 1(b)" and "Fig. 3(a)" should be deleted as being inappropriate for the "Brief Description". Page 7, line 14, note that --of Fig. 1(b)-- should follow "(24)" for clarity of description. Page 10, line 5, note that "(7)" should follow "pin" for clarity. Page 11, line 3, note that reference to the adapter "(51, Fig. 3(b))" is inconsistent with the "Fig. 3(b)" labeling; line 21, note that a -- should follow "3(d)" for clarity. Page 12, second line from bottom, note "a precision slot (54a)" is not consistent with "width (54a)", e.g. p.11, l.7 and thus needs clarification. Page 13, line 3, note that --in Fig. 2-- should follow "42a" for clarity. Page 14, lines 20, 21, note that reference to "footrest layer" is vague in meaning and note that "footrests layer (61)" is not consistent with "photoresist layer" (61) at p. 14, l.23. Page 15, seventh line from bottom, note that "FeCl3" should correctly be --FeCl<sub>3</sub>--. Page 16, last line, note that --in Fig. 4(a)-- should follow "65" for clarity.

Appropriate correction is required.

The disclosure is objected to because of the following informalities: Note that the following reference labels need explicit description relative to the corresponding drawing figures:

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Fig. 1(b) (48, E-field); fig. 1(c), (15, 16, 30); Fig. 3(a), (E-field, 20, 20a, 42a); fig. 3(c), (56); fig. 4(c), (40, 69); fig. 4(d), (40, 67). Moreover, at pages 11-13, regarding the description of Figs. 3(b), 3(c), 3(d), 3(e), note that the reference labels therein need to be explicitly described relative to the drawing figure(s) in which they actually appear for consistency of description.

Appropriate correction is required.

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the universal launching adapter (e.g. 51, 51') being mounted to the major wall of the housing such that the L-shape probe is at a central region (e.g. c11) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claims 3, 5, 6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 3, note that the comparative recitation "increase the launching efficiency" has no meaning absent any reference to a base or standard "launching efficiency". Clarification is needed.

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In claims 5, 6, note that "the two broad inner walls of said universal launching adapter" lacks strict antecedent basis.

The following claims have been found objectionable for reasons set forth below:

In the preamble of each claim, note that "for transition" should be rephrased as --for transitioning-- for a proper characterization.

In claim 1, third paragraph, third line note that --of said conductive plate-- should follow each occurrence of "broad wall"; third paragraph, fourth line, "forming" should be rewritten as --providing-- for a proper apparatus recitation; third paragraph, 8th line, and fourth paragraph, fourth line, note that --the-- should precede "distance" and "position", respectively.

In claim 3, note that --the-- should precede "distance".

In claims 5, 6, second line of each claim, note that --the-- should precede "L-shape"; third line of each claim, note that "aligned to be parallel to said major wall of the universal conductive housing and" appears to be a redundant recitation (i.e. see claim 1) and thus is not further limiting and therefore should be deleted.

In claims 7, 8, it is unclear where support for the probe thickness as recited in claim 7 and the conductive probe material as recited in claim 8 can be found in the specification.

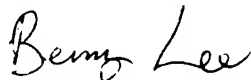
In claims 9, 10, second line of each claim, note that --an-- should precede "alignment" for clarity.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Shih et al is the parent application. Agrawal et al pertains to an L-shape coupling probe between a waveguide and a planar circuit Russell et al pertains to coupling between an IC circuit in a housing and a waveguide.

Any inquiry concerning this communication should be directed to Benny Lee at telephone number 308-4902.



BENNY T. LEE

PRIMARY EXAMINER

ART UNIT 2817

Lee/ek

05/23/03